



## Invention Disclosure

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Inventor: Curtis Jude Martin  
Address: 1675 East Main Street - Kent, Ohio 44240-5818 - USA  
Title of Invention: E.V.E. Emergency Vehicle Environment

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### Claims

What the invention disclosed is:

1. a broadcasting system using frequency modulation to create an Emergency Vehicle Environment (EVE) for unobstructing the path of emergency vehicles.

2. a small radio transmitter - externally and internally adaptable - comprising:

the external transmitter comprising of a unibody upper and sides cover shell and a bottom cover plate fastened together, a peel and stick perimeter acting as a gasket between said bottom cover plate and vehicle, a transmitter printed circuit board mounted within said upper cover shell, the said transmitter printed circuit board is fixed to one channel, the transmitting frequency of the said transmitter being set within 35 MHz to 2.5 GHz for FM stereo or mono audio radio signal transmission, a directional antenna mounted internally in said upper cover shell and connected to said transmitter printed circuit board for transmitting the radio signal, a battery chamber disposed at a side of said upper and sides cover shell, battery terminal

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Inventor: Curtis J. Martin Date: 03/15/02

The above confidential information is Witnessed and Understood:

Patricia M. Garrison Date: 03/15/02  
Chester D. Martin Date: 03/15/02



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connectors mounted inside said battery chamber at two opposite ends and respectively connected to said transmitter printed circuit board, a battery lid cover on said battery chamber, a low battery indicator LED mounted to the side of said battery chamber on said upper and sides cover shell and connected to said transmitter printed circuit board, an external power supply input port mounted to said bottom cover plate and connected to said battery terminal connectors, a condenser microphone mounted to the said bottom cover plate and connected to said transmitter printed circuit board, an external input port for overriding said condenser microphone mounted to said bottom cover plate and connected to said transmitter printed circuit board, an accelerometer mounted to the said bottom cover plate and connected to said condenser microphone, an external input port for extending said accelerometer mounted to said bottom cover plate and connected to said condenser microphone, an auto/on/off switch for engaging or disengaging said condenser microphone and for engaging or disengaging said power supply, an on/off switch for engaging or disengaging said accelerometer

the internal transmitter is the external transmitter mounted on the dashboard with the said peel and stick perimeter gasket being replaced with a peel and stick rectangular pad placed on

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the opposite side - the said cover shell

3. a small radio receiver - mounted in existing/aftermarket vehicles, installed as original equipment in new vehicles and installed in unused existing or new traffic light fixtures - comprising:

the mounted mobile receiver adapted to receive the radio signal transmitted from said transmitter, said receiver comprising of a unibody upper and sides cover shell and a bottom cover plate fastened together, a peel and stick rectangular pad for affixing said upper and sides cover shell to a dashboard or windshield, a receiver printed circuit board mounted within said upper cover shell, the said receiver printed circuit board is fixed to one channel, an internal omni-directional receiving antenna wire mounted around the inside of said upper and sides cover shell and connected to said receiver printed circuit board for receiving the radio signal, battery terminal connectors mounted within said upper cover shell and connected to said receiver printed circuit board, the system using a 1.5V-3V battery to provide the necessary working voltage, a push to test switch button mounted to said bottom cover plate and connected to said receiver printed circuit board, a strobe light mounted to said

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bottom cover plate and connected to said receiver printed  
circuit board

the installed mobile receiver is the receiver installed at the  
vehicle's factory as original equipment and is mounted within  
the dashboard, said bottom cover plate is omitted, said antenna  
is omitted, an antenna cable conjoins the vehicle's radio  
antenna, said push to test switch button is omitted, said  
battery terminal connectors are omitted, said receiver's power  
supply conjoins the vehicle's radio power supply, said strobe is  
mounted in the vehicle's instrument panel with wire cable  
extending to said receiver

the installed immobile receiver in unused existing or new  
traffic light fixtures is mounted within the traffic light  
fixture, said bottom cover plate is omitted, said antenna is  
replaced with an external flush-mounted antenna, said push to  
test switch button is omitted, said battery terminal connectors  
are replaced with a transformer that connects to power line, the  
strobe's bulb is replaced with the standard traffic light's  
bulb, the colored glass lens of the traffic light is blue - the  
traffic light blinks blue similarly to a blinking red traffic  
light

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